

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Trade name: **Sepia Toner Bleach**

Article number: 102025 Bleicher

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Toner for photograph materials

##### 1.3 Details of the supplier of the safety data sheet

###### Manufacturer/Supplier:

TETENAL Europe GmbH

Schützenwall 31-35

D-22844 Norderstedt / Germany

Phone: +49 (0) 40 521 45-0; Fax: +49 (0) 40-52145-296

www.tetenal.com E-Mail: info@tetenal.com

TETENAL Ltd.,

2 Meridian West, Meridian Business Park, Leicester LE19 1WX

Phone: 0116 - 289 3644; E-Mail: uk@tetenal.com; www.tetenaluk.com

Further information obtainable from: Department environment and safety. E-Mail: info@tetenal.com

##### 1.4 Emergency telephone number:

Poison Information Centre in Germany: +49 (0) 30 - 30686 700 (English 24 hours)

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

###### Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

##### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

###### Additional information:

Safety data sheet available on request.

##### 2.3 Other hazards

###### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

#### SECTION 3: Composition/information on ingredients

##### 3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below and with nonhazardous additions.

###### Dangerous components:

CAS: 13746-66-2	Potassium ferricyanide (Tripotassium hexacyanoferrate)	10-25%
EINECS: 237-323-3	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335	
CAS: 7757-79-1	potassium nitrate	1-5%
EINECS: 231-818-8	⚠ Ox. Sol. 2, H272	
Reg.nr.: 01-211948824-35-xxxx		
CAS: 1330-43-4	disodium tetraborate, anhydrous	0.1- <1%
EINECS: 215-540-4	⚠ Repr. 1B, H360FD	
Index number: 005-011-00-4		

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

**Trade name: Sepia Toner Bleach**

(Contd. of page 1)

**. SVHC**

1330-43-4 disodium tetraborate, anhydrous

**. Additional information:** For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

**. 4.1 Description of first aid measures**

**. General information:** Immediately remove any clothing/shoes soiled by the product.

**. After inhalation:** Supply fresh air; consult doctor in case of complaints.

**. After skin contact:** Immediately rinse with water.

**. After eye contact:** Rinse opened eye for several (15 min) under running water.

**. After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

**. 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**. 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### SECTION 5: Firefighting measures

**. 5.1 Extinguishing media**

**. Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**. 5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**. 5.3 Advice for firefighters**

**. Protective equipment:** No special measures required.

#### SECTION 6: Accidental release measures

**. 6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

**. 6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**. 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

**. 6.4 Reference to other sections** No dangerous substances are released.

#### SECTION 7: Handling and storage

**. 7.1 Precautions for safe handling** No special measures required.

**. Information about fire - and explosion protection:** No special measures required.

**. 7.2 Conditions for safe storage, including any incompatibilities**

**. Storage:**

**. Requirements to be met by storerooms and receptacles:** No special requirements.

**. Information about storage in one common storage facility:** Store away from foodstuffs.

**. Further information about storage conditions:**

Store under lock and key and out of the reach of children.

Recommended storage temperature: 5-30°C

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

**Trade name: Sepia Toner Bleach**

(Contd. of page 2)

. **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

. **Additional information about design of technical facilities:** No further data; see item 7.

. **8.1 Control parameters**

. **Ingredients with limit values that require monitoring at the workplace:**

**13746-66-2 Potassium ferricyanide (Tripotassium hexacyanoferrate) (10-<25%)**

WEL (Great Britain) Long-term value: 5 mg/m<sup>3</sup>  
as CN; Sk

PEL (USA) Long-term value: 5 mg/m<sup>3</sup>  
as CN; Skin

REL (USA) Long-term value: 1 mg/m<sup>3</sup>  
as Fe

TLV (USA) Long-term value: 1 mg/m<sup>3</sup>  
as Fe

. **Additional information:** The lists valid during the making were used as basis.

. **8.2 Exposure controls**

. **Personal protective equipment:**

. **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

. **Respiratory protection:** Ensure adequate ventilation

. **Protection of hands:**

Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

. **Penetration time of glove material**

Glove material	breakthrough-time	layer thickness
Butyl rubber:	≥480 min	≥0,4mm
Nitrile rubber:	≥480 min	≥0,38mm
Neoprene:	≥240 min	≥0,65mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

. **Eye protection:** Safety glasses

. **Body protection:** Protective work clothing

EN

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

Trade name: **Sepia Toner Bleach**

(Contd. of page 3)

### SECTION 9: Physical and chemical properties

#### . 9.1 Information on basic physical and chemical properties

##### . General Information

##### . Appearance:

Form:	Fluid
Colour:	Dark orange colour
Odour:	Odourless

. pH-value: Alkaline

##### . Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

. Flash point: Not applicable.

. Auto-ignition temperature: Product is not selfigniting.

. Explosive properties: Product does not present an explosion hazard.

. Vapour pressure at 20 °C: 23 hPa

. Density at 20 °C: ~1.1 g/cm<sup>3</sup>

. Solubility in / Miscibility with water: Fully miscible.

##### . Solvent content:

Organic solvents:	0.0 %
Water:	>50 %

. 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

. 10.1 Reactivity: No further relevant information available.

#### . 10.2 Chemical stability

. Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

. 10.3 Possibility of hazardous reactions: No dangerous reactions known.

. 10.4 Conditions to avoid: No further relevant information available.

. 10.5 Incompatible materials: No further relevant information available.

. 10.6 Hazardous decomposition products: Irritant gases/vapours

### SECTION 11: Toxicological information

#### . 11.1 Information on toxicological effects

. Acute toxicity: Based on available data, the classification criteria are not met.

##### . LD/LC50 values relevant for classification:

##### 13746-66-2 Potassium ferricyanide (Tripotassium hexacyanoferrate)

Oral LD50 1600 mg/kg (rat)

##### 7757-79-1 potassium nitrate

Oral LD50 3750 mg/kg (rat)

##### . Primary irritant effect:

. Skin corrosion/irritation: Based on available data, the classification criteria are not met.

. Serious eye damage/irritation: Based on available data, the classification criteria are not met.

. Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

**Trade name: Sepia Toner Bleach**

(Contd. of page 4)

- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Based on available data, the classification criteria are not met.
- . **Reproductive toxicity** Based on available data, the classification criteria are not met.
- . **STOT-single exposure** Based on available data, the classification criteria are not met.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:**
- 7757-79-1 potassium nitrate**
- EC50 48h: 490 mg/l (daphnia magna (Water flea))
- LC50 72h: 200 mg/L (fish: Poecilia reticulata)
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- . **European waste catalogue**
- 09 01 99 wastes not otherwise specified
- . **Uncleaned packaging:**
- . **Recommendation:** Disposal must be made according to official regulations.
- . **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |                                       |      |
|---------------------------------------|------|
| . <b>14.1 UN-Number</b>               |      |
| . <b>ADR, ADN, IMDG, IATA</b>         | Void |
| . <b>14.2 UN proper shipping name</b> |      |
| . <b>ADR</b>                          | Void |
| . <b>ADN, IMDG, IATA</b>              | Void |

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

**Trade name: Sepia Toner Bleach**

(Contd. of page 5)

. 14.3 Transport hazard class(es)	
. ADR, ADN, IMDG, IATA	
. Class	Void
. 14.4 Packing group	
. ADR, IMDG, IATA	Void
. 14.5 Environmental hazards:	
. Marine pollutant:	No
. 14.6 Special precautions for user	Not applicable.
. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
. UN "Model Regulation":	Void

**SECTION 15: Regulatory information**

. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

. National regulations:

. Other regulations, limitations and prohibitive regulations

. Substances of very high concern (SVHC) according to REACH, Article 57

1330-43-4 disodium tetraborate, anhydrous

. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. Relevant phrases

H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H335 May cause respiratory irritation.  
H360FD May damage fertility. May damage the unborn child.

. Contact: E: sida@tetenal.com

. Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Repr. 1B: Reproductive toxicity – Category 1B

(Contd. on page 7)

EN

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 29.09.2015

**Trade name: Sepia Toner Bleach**

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

(Contd. of page 6)

. \* **Data compared to the previous version altered.**

-EN-

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015


**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- . **1.1 Product identifier**
- . **Trade name: Sepia Toner**
- . **Article number:** 102025 Toner
- . **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- . **Application of the substance / the mixture** Toner for photograph materials
- . **1.3 Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**  
TETENAL Europe GmbH  
Schützenwall 31-35  
D-22844 Norderstedt / Germany  
Phone: +49 (0) 40 521 45-0; Fax: +49 (0) 40-52145-296  
www.tetenal.com E-Mail: info@tetenal.com
- . TETENAL Ltd.,  
2 Meridian West, Meridian Business Park, Leicester LE19 1WX  
Phone: 0116 - 289 3644; E-Mail: uk@tetenal.com; www.tetenaluk.com
- . **Further information obtainable from:** Department environment and safety. E-Mail: info@tetenal.com
- . **1.4 Emergency telephone number:**  
Poison Information Centre in Germany: +49 (0) 30 - 30686 700 (English 24 hours)

**SECTION 2: Hazards identification**

- . **2.1 Classification of the substance or mixture**
- . **Classification according to Regulation (EC) No 1272/2008**  
Met. Corr.1 H290 May be corrosive to metals.  
Skin Corr. 1B H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.

---

- . **2.2 Label elements**
- . **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- . **Hazard pictograms**
- . 
- . GHS05
- . **Signal word** Danger
- . **Hazard-determining components of labelling:**  
disodium sulfide  
sodium hydroxide (caustic soda)
- . **Hazard statements**  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.
- . **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P280 Wear protective gloves / eye protection.

(Contd. on page 2)

-EN-



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

**Trade name: Sepia Toner**

(Contd. of page 1)

- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/container in accordance with local regulations.

**. 2.3 Other hazards**
**. Results of PBT and vPvB assessment**

- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**. 3.2 Chemical characterisation: Mixtures**

. **Description:** Mixture of substances listed below and with nonhazardous additions.

**. Dangerous components:**

CAS: 1313-82-2	disodium sulfide	1-5%
EINECS: 215-211-5	☠ Acute Tox. 3, H301; Acute Tox. 3, H311; ☠ Met. Corr.1, H290;	
Index number: 016-009-00-8	☠ Skin Corr. 1B, H314; ☠ Aquatic Acute 1, H400	
CAS: 1310-73-2	sodium hydroxide (caustic soda)	0.5 - <2% <sup>g</sup>
EINECS: 215-185-5	☠ Skin Corr. 1A, H314	
Index number: 011-002-00-6		
Reg.nr.: 01-2119457892-27		

. **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**. 4.1 Description of first aid measures**
**. General information:**

Immediately remove any clothing/shoes soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**. After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

**. After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**. After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**. After swallowing:**

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

**. 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**. Information for doctor:**

Links for hazardous substances data: <http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp>

**. 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

EN

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

**Trade name: Sepia Toner**

(Contd. of page 2)

### SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- . **5.2 Special hazards arising from the substance or mixture**  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Sulphur dioxide (SO<sub>2</sub>)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- . **5.3 Advice for firefighters**
- . **Protective equipment:** Do not inhale explosion gases or combustion gases.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Wear protective clothing.
- . **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- . **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Pick up mechanically.  
Ensure adequate ventilation.
- . **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- . **Information about fire - and explosion protection:** Protect from heat.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- . **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.  
Do not store together with acids.
- . **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.  
Store under lock and key and out of the reach of children.  
Recommended storage temperature: 5-30°C

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

Trade name: **Sepia Toner**

(Contd. of page 3)

. 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

. Additional information about design of technical facilities: No further data; see item 7.

## . 8.1 Control parameters

. **Ingredients with limit values that require monitoring at the workplace:****1310-73-2 sodium hydroxide (caustic soda) (1-5%)**WEL (Great Britain) Short-term value: 2 mg/m<sup>3</sup>PEL (USA) Long-term value: 2 mg/m<sup>3</sup>REL (USA) Ceiling limit: 2 mg/m<sup>3</sup>TLV (USA) Ceiling limit: 2 mg/m<sup>3</sup>. **Additional information:** The lists valid during the making were used as basis.

## . 8.2 Exposure controls

. **Personal protective equipment:**. **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

. **Respiratory protection:**

Ensure adequate ventilation

required at the appearance from fumes/vapours/aerosol. Filter ABEK

. **Protection of hands:**

Protective gloves

Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

. **Penetration time of glove material**

Glove material      breakthrough-time      layer thickness

Butyl rubber:            ≥480 min            ≥0,4mm

Nitrile rubber:        ≥480 min            ≥0,38mm

Neoprene:            ≥240 min            ≥0,65mm

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

-EN-

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

Trade name: **Sepia Toner**

(Contd. of page 4)

## . Eye protection:



Tightly sealed goggles

. Body protection: Protective work clothing

### SECTION 9: Physical and chemical properties

## . 9.1 Information on basic physical and chemical properties

## . General Information

## . Appearance:

Form:	Fluid
Colour:	Light grey
Odour:	Like rotten eggs (mercaptans)

. pH-value at 20 °C: 13.7

## . Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

. Flash point: Not applicable.

. Auto-ignition temperature: Product is not selfigniting.

. Explosive properties: Product does not present an explosion hazard.

. Vapour pressure at 20 °C: 23 hPa

. Density at 20 °C: ~1.1 g/cm<sup>3</sup>

. Solubility in / Miscibility with water: Fully miscible.

## . Solvent content:

Organic solvents:	0.0 %
Water:	>50 %

. 9.2 Other information No further relevant information available.

### SECTION 10: Stability and reactivity

. 10.1 Reactivity No further relevant information available.

## . 10.2 Chemical stability

. Thermal decomposition / conditions to be avoided: Stable at environment temperature.

## . 10.3 Possibility of hazardous reactions

Reacts with acids, alkalis and oxidising agents.

Reacts with acids releasing sulphur dioxide.

. 10.4 Conditions to avoid No further relevant information available.

. 10.5 Incompatible materials: Under certain fire conditions, traces of other toxic gases cannot be excluded.

## . 10.6 Hazardous decomposition products:

Irritant gases/vapours

Carbon monoxide and carbon dioxide

-EN-

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

Trade name: Sepia Toner

(Contd. of page 5)

### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity** Based on available data, the classification criteria are not met.
- . **LD/LC50 values relevant for classification:**
- 1313-82-2 disodium sulfide**
- Oral LD50 205 - 208 mg/kg (rat)
- 1310-73-2 sodium hydroxide (caustic soda)**
- Oral LD50 >2000 mg/kg (rat)
- . **Primary irritant effect:**
- . **Skin corrosion/irritation**
- Causes severe skin burns and eye damage.
- . **Serious eye damage/irritation**
- Causes serious eye damage.
- . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- . **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Based on available data, the classification criteria are not met.
- . **Reproductive toxicity** Based on available data, the classification criteria are not met.
- . **STOT-single exposure** Based on available data, the classification criteria are not met.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:**
- 1310-73-2 sodium hydroxide (caustic soda)**
- EC50 24h: 76 mg/l (daphnia magna (Water flea))
- LC50 48h: 99 mg/l (Lepomis macrochirus (Sonnenbarsch))
- 96h: 45.4 mg/l (fish: Oncorhynchus mykiss)
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
- Do not allow product to reach ground water, water course or sewage system.
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

EN

(Contd. on page 7)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

**Trade name: Sepia Toner**

(Contd. of page 6)

### SECTION 13: Disposal considerations

**. 13.1 Waste treatment methods**

**. Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**. European waste catalogue**

09 01 99 wastes not otherwise specified

**. Uncleaned packaging:**

**. Recommendation:** Disposal must be made according to official regulations.

**. Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

**. 14.1 UN-Number**

**. ADR, IMDG, IATA**

UN1760

**. 14.2 UN proper shipping name**

**. ADR**

1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM SULPHIDE, HYDRATED)

**. IMDG, IATA**

CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM SULPHIDE, HYDRATED)

**. 14.3 Transport hazard class(es)**

**. ADR**

**. Class**

8 (C9) Corrosive substances.

**. Label**

8

**. IMDG, IATA**

**. Class**

8 Corrosive substances.

**. Label**

8

**. 14.4 Packing group**

**. ADR, IMDG, IATA**

III

**. 14.5 Environmental hazards:**

**. Marine pollutant:**

No

**. 14.6 Special precautions for user**

Warning: Corrosive substances.

**. Danger code (Kemler):**

80

**. EMS Number:**

F-A,S-B

**. Segregation groups**

Alkalis

**. 14.7 Transport in bulk according to Annex II of**

**Marpol and the IBC Code**

Not applicable.

**. Transport/Additional information:**

**. ADR**

**. Limited quantities (LQ)**

5L

**. Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**. Transport category**

3

**. Tunnel restriction code**

E

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.05.2018

version no: 3

Revision: 28.05.2015

**Trade name: Sepia Toner**

(Contd. of page 7)

**. IMDG**

**. Limited quantities (LQ)**

5L

**. Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**. UN "Model Regulation":**

UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM SULPHIDE, HYDRATED), 8, III

**SECTION 15: Regulatory information**

**. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**. REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**. 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**. Relevant phrases**

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

**. Contact:** E: sida@tetenal.com

**. Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

**. \* Data compared to the previous version altered.**